

## SEQUENCE LISTING

<110> Lynos, Robert T

<120> Use of ANtimicrobial Peptides as Preservatives in Ophthalmic Preparations, Including Solutions, Emulsions, and Suspensions

<130> 2973 ver 2

<140> not known

<141> 2001-05-30

<150> WO 96/25183

<151> 1996-08-22

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 23

<212> PRT

<213> Xenopus laevis

<300>

<301> Lee et al.,

<302> High-Level Expression of Antimicrobial Peptide Mediated by a Fusion Partner Reinforcing Formation of Inclusion Bodies

<303> Biochem. Biophys. Res. Commun.

<304> 277

<306> 575-580

<307> Sept 21, 2000

<400> 1

Gly Ile Gly Lys Phe Leu His Ser Ala Gly Lys Phe Gly Lys Ala Phe

1

5

10

15

Val Gly Glu Ile Met Lys Ser

20

<210> 2

<211> 23

<212> PRT

<213> Xenopus laevis

<400> 2

Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe

1

5

10

15

Val Gly Glu Ile Met Asn Ser

20

<210> 3

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (22)

<223> Xaa at position 22 is Lys-amide

<220>

<223> Description of Artificial Sequence: maginin analog

<400> 3

Gly Ile Gly Lys Phe Leu Lys Lys Ala Lys Lys Phe Gly Lys Ala Phe

1

5

10

15

Val Lys Ile Leu Lys Xaa

20

<210> 4

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: maginin analog

<400> 4

Gly Ile Gly Lys Phe Leu Lys Lys Ala Lys Lys Phe Gly Lys Ala Phe

1

5

10

15

Val Lys Ile Leu Lys Lys

20

<210> 5

<211> 37

20

25

30

Asp Ala Arg Ala Val Gly

35

<210> 8  
<211> 30  
<212> PRT  
<213> human

<400> 8  
Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr

1

5

10

15

Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys

20

25

30

<210> 9  
<211> 29  
<212> PRT  
<213> human

<400> 9  
Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr Gly

1

5

10

15

Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys

20

25

<210> 10  
<211> 30  
<212> PRT  
<213> human

<400> 10  
Asp Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr

1

5

10

15

Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys

20

25

30

&lt;212&gt; PRT

&lt;213&gt; silk moth

&lt;400&gt; 5

Lys Trp Lys Leu Phe Lys Lys Ile Glu Lys Val Gly Gln Asn Ile Arg

1

5

10

15

Asp Gly Ile Ile Lys Ala Gly Pro Ala Val Ala Val Val Gly Gln Ala

20

25

30

Thr Gln Ile Ala Lys

35

&lt;210&gt; 6

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; silk moth

&lt;400&gt; 6

Lys Trp Lys Val Phe Lys Lys Ile Glu Lys Met Gly Arg Asn Ile Arg

1

5

10

15

Asn Gly Ile Val Lys Ala Gly Pro Ala Ile Ala Val Leu Gly Glu Ala

20

25

30

Lys Ala Leu Gly

35

&lt;210&gt; 7

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: analog of  
cecropin B

&lt;400&gt; 7

Met Pro Arg Trp Arg Leu Phe Arg Arg Ile Asp Arg Val Gly Lys Gln

1

5

10

15

Ile Lys Gln Gly Ile Leu Arg Ala Gly Pro Ala Ile Ala Leu Val Gly

<210> 11  
<211> 33  
<212> PRT  
<213> rabbit

<400> 11  
Val Val Cys Ala Cys Arg Arg Ala Leu Cys Leu Pro Arg Glu Arg Arg

1	5	10	15
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Ala Gly Phe Cys Arg Ile Arg Gly Arg Ile His Pro Leu Cys Cys Arg

20	25	30
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Arg

<210> 12  
<211> 11  
<212> PRT  
<213> cow

<400> 12  
Arg Leu Cys Arg Val Val Ile Arg Val Cys Arg

1	5	10
---	---	----

<210> 13  
<211> 26  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (26)  
<223> Xaa at position 26 is Ser-amide

<220>  
<223> Description of Artificial Sequence: Hybrid  
antimicrobial peptide

<400> 13  
Lys Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Ala Val Leu Lys Val

1	5	10	15
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Leu Thr Thr Gly Leu Pro Ala Leu Ile Xaa

20	25
----	----

<210> 14  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (16)  
<223> Xaa at position 16 is Leu-amide

<220>  
<223> Description of Artificial Sequence: Hybrid  
antimicrobial peptide

<400> 14  
Lys Trp Lys Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Xaa

1

5

10

15